

1642
RECEIVED

OCT 18 2002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

TECH CENTER 1600/2900

In re Application of:

HEINZ et al.

Serial No. 10/019,048

Filed: December 27, 2001

Group Art Unit: 1642

Examiner: Unknown

For: PLANTS EXPRESSING $\Delta 6$ -DESATURASE GENES AND OILS FROM THESE
PLANTS CONTAINING PUFFS AND METHOD FOR PRODUCING
UNSATURATED FATTY ACIDS

I hereby certify that this correspondence is being deposited with the United
States Postal Service as first class mail in an envelope addressed to:
Commissioner of Patents and Trademarks, Washington, D.C. 20231, on:

October 17, 2002

Date of Deposit

Morica K. Sims

Person Making Deposit


Signature

October 17, 2002

Date of Signature

Hon. Commissioner of Patents
and Trademarks
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

This subject Information Disclosure Statement is submitted in connection with
applicants' continuing duty of disclosure under 37 CFR 1.56.

Listing of Relevant Documents

The relevant documents are listed in the attached Form PTO-1449.

Remarks

The listed references are discussed in the instant specification and were brought to
applicants' attention by the attached International Search Report.

EP 0 794 250 is the English equivalent of WO 95/18222, which is discussed on
page 2 of the instant specification.

Respectfully submitted,
KEIL & WEINKAUF

A handwritten signature in black ink, appearing to read "H B Keil".

Herbert B. Keil
Reg. No. 18,967

1350 Connecticut Avenue, N.W.
Washington, D.C. 20036
(202) 659-0100
HBK/mks

RECEIVED

OCT 18 2002



Form PTO-1449

TECH CENTER 1600/2900

Sheet 1 of 3

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

Document Number

PF 0000093000035/Up

Application Number

10/019,048

Applicant

HEINZ et al.

Filing Date

December 27, 2001

Group Art Unit

1642

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

Exam. Init.	Document Number	Date	Name	Class	Sub- Class	Filing Date
	5,504,200	4/1/96	Hall et al.			
	5,608,152	3/4/97	Kridl et al.			
	5,614,393	3/25/97	Thomas et al.			

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Sub- Class	Filing Date
	00/21557	4/00	PCT			
	00/12720	3/00	PCT			
	98/46776	10/98	PCT			
	98/46765	10/98	PCT			
	99/64616	12/99	PCT			
	95/15389	6/95	PCT			
	95/23230	8/95	PCT			
	99/16890	4/99	PCT			
	550 162	7/93	European			
	93/06712	4/93	PCT			
	98/46763	10/98	PCT			
	94/18337	8/94	PCT			
	96/21022	7/96	PCT			
	99/27111	6/99	PCT			
	91/13972	9/91	PCT			
	93/11245	6/93	PCT			
	98/45461	10/98	PCT			
	91/13980	9/91	PCT			



OCT 18 2002

TECH CENTER 1600/2900

Form PTO-1449

Sheet 2 of 3INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

Document Number

PF 0000093000035/Up

Application Number

10/019,048

Applicant

HEINZ et al.

Filing Date

December 27, 2001

Group Art Unit

1642

(Use several sheets if necessary)

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Sub-Class	Filing Date
93/21334	10/93	PCT			
335 528	10/89	European			
794 250	9/97	European			
97/21340	6/97	PCT			
95/19943	7/95	PCT			
388 186	9/90	European			
249 676	12/87	European			
95/18222	7/95	PCT			
97/30582	8/97	PCT			
94/11516	5/94	PCT			
98/46764	10/98	PCT			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Murata et al., Biosynthesis of γ -linolenic acid in cyanobacterium <i>Spirulina patensis</i> , pp. 22 – 32, In: γ -linolenic acid, metabolism and its roles in nutrition and medicine, Huang, Y. and Milles, D.E. [eds.], AOC Press, Champaign, Illinois
van den Hondel et al., Heterologous gene expression in filamentous fungi, 1991 in: More Gene Manipulations in Fungi, J.W. Bennet & L.L. Lasure, eds., pp. 396 – 428, Academic Press: San Diego
Girke et al., Plant J. 15, 1998 : 39 – 48
Napier et al., Biochem. J., 330, 1998: 611 – 614
Sayanova et al., Proc. Natl. Acad. Sci., USA, 94, 1997: 4211 – 4216,
Cho et al., J. Biol. Chem., 274, 1999: 471 – 477
Aki et al., Biochem. Biophys. Res. Commun., 255, 1999 : 575 – 579



	Reber et al., Plant. Mol. Biol., 27, 1993 : 293 – 300
	Stukey et al., J. Biol. Chem., 265, 1990: 20144 – 20149
	Huang et al., Lipids, 34, 1999: 649 – 659
	Wada et al., Nature, 347, 1990: 200 – 203
	Wang et al., Plant Physiol. Biochem., 26, 1988: 777 – 792
	McKeon et al., Methods in Enzymol., 71, 1981: 12141 – 12147
	Baeumlein et al., Mol. Gen. Genet., 225 (3), 1991: 459 – 467
	Baeumlein et al., Plant J., 2, 2, 1992: 233 – 239
	Stockhaus et al., EMBO J., 8, 1989: 2445 – 2450
	Gatz et al., Plant J., 2, 1992: 397 – 404
	Deverux et al., Nucleic. Acid Res., 12, 1984: 387 – 395
	J. Mol. Evolution, 25, 1987: 351 – 360
	Higgins et al., CABIOS, 5, 1989: 151 – 153
	Franck et al., Cell, 21, 1980: 285 – 294
	Ward et al., Plant. Mol. Biol., 22, 1993: 361 – 366
	van den Hondel and Punt 1991, in: Applied Molecular Genetics of Fungi, Peberdy et al., eds., pp. 1 – 28, Cambridge University Press: Cambridge
	Romanos et al., Foreign gene expression in yeast: a review, Yeast, 8, 1992: 423 – 488
	Kermode et al., Crit. Rev. Plant Sci., 15, 4, 1996: 285 – 423
	Gallie et al., Nucl. Acid. Res., 15, 1987: 8693 – 8711
	Schouten et al., Plant. Mol. Biol., 30, 1996: 781 – 792
	Gielen et al., EMBO J. 3, 1984: 835 ff.
	Wada et al., Nucleic. Acid. Res., 20, 1992: 2111 – 2118
	Patten et al., Current Opinion in Biotechnology, 8, 1997: 724 – 733
	Moore et al., J. Mol. Biol., 272, 1997 : 336 – 347
EXAMINER	DATE CONSIDERED
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.	

KEIL & WEINKAUF
1350 Connecticut Avenue, N.W.
Washington, D.C. 20036